

What is claimed is:

1. An optical recording/reproducing apparatus comprising:
an optical pickup for recognizing information of an optical disc;
a main shaft installed on a base plate, for supporting the optical pickup;
5 a sub-shaft positioned at a certain distance between itself and the main
shaft and installed on the base plate, for supporting the optical pickup; and
an optical pickup skew adjustment means operating within a range that
the optical pickup can recognize the optical disc and installed at at least one of the
main shaft and the sub-shaft, for correcting a skew of the optical pickup.

10

2. The apparatus of claim 1, wherein the optical pickup skew
adjustment means comprising:

a fixing portion installed on the base plate and having a groove for
movably supporting one end of the main shaft at its side;

15 a support portion for supporting the other end of the main shaft, installed
on the base plate at a certain distance from a fixing portion, having an insertion
hole at its side to insert an end of the main shaft therein and having an elastic
member for elastically supporting the end of the main shaft therein;

20 a prop portion installed on the base plate, for supporting a bottom middle
surface of the main shaft; and

a skew adjustment screw rotatably installed at the base plate, for upwardly
pushing the end of the main shaft supported by the prop portion.

25 3. The apparatus of claim 2, wherein the elastic member is a coil
spring.

4. The apparatus of claim 2, wherein the elastic member is positioned at the upper end inside the support portion so as to downwardly support the end portion of the main shaft.

5

5. The apparatus of claim 2, wherein the fixing portion, the prop portion and the support portion are installed by an insert injection molding method.

6, The apparatus of claim 1, wherein the height of prop portion is
10 restrictively formed so that the prop portion does not come in contact with an arm
of the optical pickup when the optical pickup slides along the main shaft and the
sub-shaft.

7.. The apparatus of claim 6, wherein the prop portion has a
15 mounting groove on which the main shaft and the sub-shaft are mounted.

8. The apparatus of claim 7, wherein the mounting groove is formed
in a 'U' shape.

20

25